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Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Original) A method for combining a back-up aid function with park assist function in a motor vehicle, comprising the steps of:

determining a distance from a motor vehicle to an object;

determining a velocity of the motor vehicle;

subtracting a scaled version of the velocity and a minimum distance threshold from the distance to provide a first multiplicand; and

providing a driver stimulus as a function of the first multiplicand.

- 2. (Original) The method of claim 1, wherein the scaled version of the velocity is the product of a time-to-collision threshold multiplied by the velocity.
- 3. (Original) The method of claim 1, wherein the scaled version of the velocity is the product of an estimated driver reaction time multiplied by the velocity.
- 4. (Original) The method of claim 1, wherein the driver stimulus is an auditory stimulus.
- 5. (Original) The method of claim 1, wherein the velocity of the motor vehicle is provided by a wheel speed sensor.
- 6. (Original) The method of claim 1, wherein the distance from the motor vehicle to the object is determined from signals provided by a radar sensor.

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7. (Currently Amended) The method of claim 1, further including the steps step of: multiplying the first multiplicand by a proportionality constant.

8. (Original) An automotive system including a back-up aid with parking assist, the system comprising:

a processor;

a sensor coupled to the processor; and

a memory subsystem coupled to the processor, the memory subsystem storing code that when executed by the processor causes the processor to perform the steps of:

determining a distance from a motor vehicle to an object based upon output provided by the sensor;

determining a velocity of the motor vehicle;

subtracting a scaled version of the velocity and a minimum distance threshold from the distance to provide a first multiplicand; and

providing a driver stimulus as a function of the first multiplicand.

- 9. (Original) The system of claim 8, wherein the scaled version of the velocity is the product of a time-to-collision threshold multiplied by the velocity.
- 10. (Original) The system of claim 8, wherein the scaled version of the velocity is the product of an estimated driver reaction time multiplied by the velocity.
- 11. (Original) The system of claim 8, wherein the driver stimulus is an auditory stimulus.
- 12. (Original) The system of claim 8, wherein the velocity of the motor vehicle is provided by a wheel speed sensor.

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- 13. (Original) The system of claim 8, wherein the sensor is a radar sensor.
- 14. (Original) The system of claim 8, wherein the code when executed by the processor causes the processor to perform the additional step of:

multiplying the first multiplicand by a proportionality constant.

(Original) An automotive system including a human-machine interface that provides a back-up aid with parking assist, the system comprising:

a processor;

a sensor coupled to the processor; and

a memory subsystem coupled to the processor, the memory subsystem storing code that when executed by the processor causes the processor to perform the steps of:

determining a distance from a motor vehicle to an object based upon output provided by the sensor;

determining a velocity of the motor vehicle;

subtracting a scaled version of the velocity and a minimum distance. threshold from the distance to provide a first multiplicand;

multiplying the first multiplicand by a proportionality constant; and providing a driver stimulus as a function of the product of the first multiplicand and the proportionality constant.

- (Original) The system of claim 15, wherein the scaled version of the velocity is the product of a time-to-collision threshold multiplied by the velocity.
- 17. (Original) The system of claim 15, wherein the scaled version of the velocity is the product of an estimated driver reaction time multiplied by the velocity.

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18. (Original) The system of claim 15, wherein the driver stimulus is an auditory stimulus.

- 19. (Original) The system of claim 15, wherein the velocity of the motor vehicle is provided by a wheel speed sensor.
- 20. (Original) The system of claim 15, wherein the sensor is a radar sensor.